

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work :- Detailed Estimate for Operation and Maintenance of Street Lighting System in Ward No.04 Package Y-4 of Yelahanka Zone.

Budget Head

Division No. Estimate No. 10/2019-20 For Rs. =

3800000.00

Sl. No.	Description of Work	Qty.	Rate Per Year Rs. Ps.	Unit	Amount
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters, and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below i) Poles with 36/40 W fluorescent tube light street lighting system.	73	685.45	Each	50037.85
2	v) Poles with 250W HPSV light street lighting system.	2594	1019.41	Each	2644349.54
3	vii) Poles with 24 W LED light street lighting system.	1	880.01	Each	880.01
4	vii) Poles with 400 watts HPSV light street lighting system.	175	1118.08	Each	195664.00
5	vii) Poles with 65 W LED light street lighting system.	98	1147.43	Each	112448.14
6	vii) Poles with 90 W LED light street lighting system.	203	1377.66	Each	279664.98
7	Operation and maintenance of Manual and Automatic Timer Switching circuits including replacement of electrical gadgets, such as MCB's Contactors, Timer, Cut-outs, wiring connector and M.S. Box with proper insulation etc., complete.	25	3115.44	Each	77886.00
8 72/13.17 .3	B. Work to be carried out as per requirement & actuals and as per the direction of the in charge engineer, Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/looting of the pole.c) 8 Mtr and above street light pole	270	770	Each	207900.00
9 AR	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5)Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure. 7) transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	4	51500	No	206000.00
10	GST @12% ON Item 8				24948.00
11	Misleniuos				221.48
	Total Rs				3800000.00

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2019-20 / , BESCOM SR approved rates approved rates

Asst. Engineer (Elec)

Asst. Exe Engineer (Elec)

Sub-Division No.

Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEG)

YELAHANKA DIVISION

BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 38-00 LAKHS
RUPEES THIRTY EIGHT LAKHS
ONLY

is accorded under para P0300 M AND RTO
STREET LIGHTS REPLACEMENT
OF BURNT BULBS ETC [PACKAGE]

Registered as En No. 10/2019-20 Subject
to conditions contained in enclosed memo
No. BBMP/EE/GE/42/AS/10/2019-20
Dt 30.11.2019

[Signature]
Executive Engineer

technically sanctioned for Rs. 38,00,000/-
Rs in Words THIRTY EIGHT LAKHS ONLY

Under P0300

Job Code No. 004-20-00004
06 / 19-20 Subject

Registered as SE(Y)/TS/
to conditions contained in enclosed memo
No. 06 / 19-20 Dated: 12/12/2019
[Signature]
SE(Y)/TS